



SEQUENCE LISTING

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(1) GENERAL INFORMATION:

(i) APPLICANT: van Noort, Johannes M  
van Sechel, Arianne C

(ii) TITLE OF INVENTION: Alpha B Crystallin for use in diagnosis  
and therapy of auto-immune diseases in particular multiple  
sclerosis

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Londa and Traub LLP  
(B) STREET: 20 Exchange Place, 37th floor  
(C) CITY: New York  
(D) STATE: New York  
(E) COUNTRY: United States of America  
(F) ZIP: 10005

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/975,696  
(B) FILING DATE: 11-NOV-1997  
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/750,410  
(B) FILING DATE: 09-DEC-1996

(viii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/NL95/00203  
(B) FILING DATE: 08-JUN-1995

(ix) ATTORNEY/AGENT INFORMATION:

(A) NAME: Londa, Bruce S  
(B) REGISTRATION NUMBER: 33,531  
(C) REFERENCE/DOCKET NUMBER: 2212.7162

(x) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 212-968-1300  
(B) TELEFAX: 212-968-1307

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 175 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: unknown

(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

B2  
Met Asp Ile Ala Ile His His Pro Trp Ile Arg Arg Pro Phe Phe Pro  
1 5 10 15

Phe His Ser Pro Ser Arg Leu Phe Asp Gln Phe Phe Gly Glu His Leu  
20 25 30

Leu Glu Ser Asp Leu Phe Pro Thr Ser Thr Ser Leu Ser Pro Phe Tyr  
35 40 45

Leu Arg Pro Pro Ser Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly  
50 55 60

Leu Ser Glu Met Arg Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asn  
65 70 75 80

Val Lys His Phe Ser Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp  
85 90 95

Val Ile Glu Val His Gly Lys His Glu Glu Arg Gln Asp Glu His Gly  
100 105 110

Phe Ile Ser Arg Glu Phe His Arg Lys Tyr Arg Ile Pro Ala Asp Val  
115 120 125

Asp Pro Leu Ala Ile Thr Ser Ser Leu Ser Ser Asp Gly Val Leu Thr  
130 135 140

Val Asn Gly Pro Arg Lys Gln Val Ser Gly Pro Glu Arg Thr Ile Pro  
145 150 155 160

Ile Thr Arg Glu Glu Lys Pro Ala Val Thr Ala Ala Pro Lys Lys  
165 170 175

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Ile Pro Ala Asp Val Asp Pro Leu  
1 5

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 4 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

B2  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Tyr Leu Arg Pro  
1

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 13 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Ala Pro Ser Trp Phe Asp Thr Gly Leu Ser Glu Met Arg  
1 5 10